Probable Phosphatidylglycerophosphatase, Mitochondrial (gep4) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable phosphatidylglycerophosphatase, mitochondrial (gep4), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Probable phosphatidylglycerophosphatase, mitochondrial (gep4)
Product Gene Name	gep4 recombinant protein
Product Synonym Gene Name	gep4
Sequence	MLINIEGIQA FCQTIRNPRR IIPHATFPTF SQIPCNINYF LEQKFQVPVD IRALVLDKDN CITLPNETTI AEAELKKIRE FQNIYGEKNV ILLSNSIGTR KLDPTGELAA HFQQKWNIPV VRHSKLKPLC TEELYTYLSN NSHVSSASQI LFIGDRLLTD ITLANIMGSW GVWLTRGVGN TTNMMMEVES WLYKRIHTQN PYIPTNRKS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,992 Da
Sequence Positions	1-209, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9Y7U3
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gep4 recombinant protein	MBS1314576 is a recombinant protein targeting gep4. Also known as Recombinant Schizosaccharomyces pombe Probable phosphatidylglycerophosphatase, mitochondrial (gep4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gep4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for gep4. It may not necessarily be applicable to this product.

NCBI GI #	429238957
NCBI GeneID	2539038
NCBI Accession #	NP_588111.2
UniProt Primary Accession #	Q9Y7U3

GenBank Nucleotide #	NM_001023101.2
NCBI Official Full Name	mitochondrial matrix PGP phosphatase involved in cardiolipin biosynthesis Gep4 (predicted)
NCBI Official Symbol	gep4
UniProt Protein Name	Probable phosphatidylglycerophosphatase, mitochondrial
UniProt Synonym Protein Names	PGP phosphatase
Protein Family	Phosphatidylglycerophosphatase
UniProt Gene Name	gep4
NCBI Protein Information	mitochondrial matrix PGP phosphatase involved in cardiolipin biosynthesis Gep4 (predicted)
UniProt Comments for gep4	Phosphatidylglycerophosphatase involved in the biosynthesis of cardiolipin (CL), a unique dimeric phosphoglycerolipid predominantly present in mitochondrial membranes and which has important functions for cellular energy metabolism, mitochondrial dynamics and the initiation of apoptotic pathways.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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